Name of work:Improvements to Roads And Drains At PK's Mustering Center Surrounding Area In Ward No.13 Shettyhalli Sub Division

Pre Measurements

Pre measurement recorded on:

Item No	Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
11	Providing, laying, spreading and compacting cushed stone aggregates of granite / trap I basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve thedesired density complete as per specifications.								
	For CC Road								
	1st cross,Byraveshwara Layout								
		1	19.20	5.50	5.60	5.55	0.15	15.98	
	Main road,BHEL Mini Colony								
		1	15.00	6.20	5.50	5.85	0.15	13.16	
		1	15.00	5.50	5.50	5.50	0.15	12.38	
		1	5.50	5.50	5.95	5.73	0.15	4.72	
		1	15.00	6.90	7.90	7.40	0.15	16.65	
		1	15.00	7.90	7.60	7.75	0.15	17.44	
		1	15.00	7.60	7.20	7.40	0.15	16.65	
		1	19.90	7.20	7.80	7.50	0.15	22.39	
	Pk's Mustering Center Back Side Road								
		1	15.00	3.30	3.80	3.55	0.15	7.99	
		1	15.00	3.80	4.00	3.90	0.15	8.78	
		1	6.60	4.00	2.70	3.35	0.15	3.32	
	2nd cross, BHEL Mini Colony								
		1	15.00	5.20	4.80	5.00	0.15	11.25	
		1	15.00	4.80	5.10	4.95	0.15	11.14	
		1	15.00	5.10	5.10	5.10	0.15	11.48	
		1	17.40	5.10	5.00	5.05	0.15	13.18	
	2nd cross, VijayaLakhshmi Layout								
		1	15.00	4.30	3.70	4.00	0.15	9.00	
		1	15.00	3.70	3.70	3.70	0.15	8.33	
		1	15.00	3.70	4.35	4.03	0.15	9.06	
		1	15.00	4.35	4.05	4.20	0.15	9.45	
		1	15.00	4.05	4.65	4.35	0.15	9.79	
		1	15.40	4.65	5.57	5.11	0.15	11.80	
	Cross road								
		1	13.00	2.10	1.60	1.85	0.15	3.61	
		1	4.50	3.00	2.90	2.95	0.15	1.99	
	Shooting Banglow Main Road								
		1	15.00	5.00	5.00	5.00	0.15	11.25	
		1	13.00	5.00	5.40	5.20	0.15	10.14	
		1	15.00	4.30	3.60	3.95	0.15	8.89	
		1	15.00	3.60	3.40	3.50	0.15	7.88	
		1	4.70	3.40	3.40	3.40	0.15	2.40	
	Shree Shakti Bhavana Surroundings								
		1	18.15	2.40	4.45	3.43	0.15	9.32	

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Item No	Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
		1	16.40	2.40	2.90	2.65	0.15	6.52	
		1	14.50	3.14	2.60	2.87	0.15	6.24	
		1	7.67	2.32	1.90	2.11	0.15	2.43	
		1	17.13	2.38	2.70	2.54	0.15	6.53	
		1	2.95	1.20	1.20	1.20	0.15	0.53	
		1	5.00	1.65	1.27	1.46	0.15	1.10	
		1	15.96	2.19	2.10	2.15	0.15	5.14	
		1	10.00	1.97	2.02	2.00	0.15	2.99	
		1	17.70	2.60	2.32	2.46	0.15	6.53	
		1	14.60	1.75	2.36	2.06	0.15	4.50	
		1	6.27	1.07	1.18	1.13	0.15	1.06	
		1	7.00	1.20	0.60	0.90	0.15	0.95	
	Deductions								
	Main road,BHEL Mini Colony								
	Electric Pole	-4	0.20	0.20	0.20	0.20	0.15	-0.02	
	Man Hole	-1		(3.142*0.9*0.9)/4			0.15	-0.10	
	Trees Area	-9		(3.142*0.4*0.4)/4			0.15	-0.18	
	Borewell	-2		(3.142*0.4*0.4)/4			0.15	-0.04	
	Chamber	-1	1.50	0.30	0.30	0.30	0.15	-0.07	
	Ramp	-1	9.00	0.60	0.60	0.60	0.15	-0.81	
		-1	2.50	0.75	0.75	0.75	0.15	-0.28	
	Pk's Mustering Center Back Side Road								
	Electric Pole	-1	0.20	0.20	0.20	0.20	0.15	-0.01	
	Trees Area	-1		(3.142*0.4*0.4)/4			0.15	-0.02	
	2nd cross, BHEL Mini Colony								
	Man Hole	-1		(3.142*0.9*0.9)/4			0.15	-0.10	
	Ramp	-1	5.00	0.45	0.45	0.45	0.15	-0.34	
		-1	3.00	0.50	0.50	0.50	0.15	-0.23	
		-1	4.30	1.20	1.20	1.20	0.15	-0.77	
		-1	6.00	0.90	0.90	0.90	0.15	-0.81	
	Shooting Banglow Main Road								
	Man Hole	-3		(3.142*0.9*0.9)/4			0.15	-0.29	
	Ramp	-1	1.20	0.30	0.30	0.30	0.15	-0.05	
	Chamber	-1	0.45	0.45	0.45	0.45	0.15	-0.03	
	2nd cross, VijayaLakhshmi Layout								
	Electric Pole	-6	0.20	0.20	0.20	0.20	0.15	-0.04	
	Man Hole	-2		(3.142*0.9*0.9)/4			0.15	-0.19	
	Trees Area	-3		(3.142*0.4*0.4)/4			0.15	-0.06	
	Stage	-1	1.20	0.75	0.75	0.75	0.15	-0.14	
	Shree Shakti Bhavana Surroundings								
	Man Hole	-10		(3.142*0.9*0.9)/4			0.15	-0.96	
							Present Qty	**338.38**	**Cum**

24/06/22

Assistant Engineer
Ward No.13

24/6

Asst. Executive Engineer
Shettyhalli Sub division

Name of work:Improvements to Roads And Drains At PK's Mustering Center Surrounding Area In Ward No.13 Shettyhalli Sub Division

Detailed measurements

Detailed measurement recorded on:

Item No	Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
12	Cement concrete pavement.Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30 , with 25mm and down size graded granite metal coarse aggregates and fine aggregtes , with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008 , mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane, selant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades as per drawing complete as per specifications. - M30 (at 360Kg per cum coarse aggregate @ 0.69cum and fine aggregate @ 0.46cum)								
	For CC Road								
	1st cross,Byraveshwara Layout								
		1	19.20	5.50	5.60	5.55	0.15	15.98	
	Main road,BHEL Mini Colony								
		1	15.00	6.20	5.50	5.85	0.15	13.16	
		1	15.00	5.50	5.50	5.50	0.15	12.38	
		1	5.50	5.50	5.95	5.73	0.15	4.72	
		1	15.00	6.90	7.90	7.40	0.15	16.65	
		1	15.00	7.90	7.60	7.75	0.15	17.44	
		1	15.00	7.60	7.20	7.40	0.15	16.65	
		1	19.90	7.20	7.80	7.50	0.15	22.39	
	Pk's Mustering Center Back Side Road								
		1	15.00	3.30	3.80	3.55	0.15	7.99	
		1	15.00	3.80	4.00	3.90	0.15	8.78	
		1	6.60	4.00	2.70	3.35	0.15	3.32	
	2nd cross, BHEL Mini Colony								
		1	15.00	5.20	4.80	5.00	0.15	11.25	
		1	15.00	4.80	5.10	4.95	0.15	11.14	
		1	15.00	5.10	5.10	5.10	0.15	11.48	
		1	17.40	5.10	5.00	5.05	0.15	13.18	
	2nd cross, VijayaLakhshmi Layout								
		1	15.00	4.30	3.70	4.00	0.15	9.00	
		1	15.00	3.70	3.70	3.70	0.15	8.33	
		1	15.00	3.70	4.35	4.03	0.15	9.06	
		1	15.00	4.35	4.05	4.20	0.15	9.45	
		1	15.00	4.05	4.65	4.35	0.15	9.79	
		1	15.40	4.65	5.57	5.11	0.15	11.80	
	Cross road								

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ಎಸ್.ಎಸ್. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬಂಗಳೂರು.

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Item No	Discription of Item	No	Length	B1	B2	Avg Breadth	Depth	Qty	Unit
		1	13.00	2.10	1.60	1.85	0.15	3.61	
		1	4.50	3.00	2.90	2.95	0.15	1.99	
	Shooting Banglow Main Road								
		1	15.00	5.00	5.00	5.00	0.15	11.25	
		1	13.00	5.00	5.40	5.20	0.15	10.14	
		1	15.00	4.30	3.60	3.95	0.15	8.89	
		1	15.00	3.60	3.40	3.50	0.15	7.88	
		1	4.70	3.40	3.40	3.40	0.15	2.40	
	Shree Shakti Bhavana Surroundings								
		1	17.70	2.60	2.32	2.46	0.15	6.53	
		1	14.60	1.75	2.36	2.06	0.15	4.50	
		1	6.27	1.07	1.18	1.13	0.15	1.06	
		1	7.00	1.20	0.60	0.90	0.15	0.95	
	Deductions								
	Main road,BHEL Mini Colony								
	Electric Pole	-4	0.20	0.20	0.20	0.20	0.15	-0.02	
	Man Hole	-1		(3.142*0.9*0.9)/4			0.15	-0.10	
	Trees Area	-9		(3.142*0.4*0.4)/4			0.15	-0.18	
	Borewell	-2		(3.142*0.4*0.4)/4			0.15	-0.04	
	Chamber	-1	1.50	0.30	0.30	0.30	0.15	-0.07	
	Ramp	-1	9.00	0.60	0.60	0.60	0.15	-0.81	
		-1	2.50	0.75	0.75	0.75	0.15	-0.28	
	Pk's Mustering Center Back Side Road								
	Electric Pole	-1	0.20	0.20	0.20	0.20	0.15	-0.01	
	Trees Area	-1		(3.142*0.4*0.4)/4			0.15	-0.02	
	2nd cross, BHEL Mini Colony								
	Man Hole	-1		(3.142*0.9*0.9)/4			0.15	-0.10	
	Ramp	-1	5.00	0.45	0.45	0.45	0.15	-0.34	
		-1	3.00	0.50	0.50	0.50	0.15	-0.23	
		-1	4.30	1.20	1.20	1.20	0.15	-0.77	
		-1	6.00	0.90	0.90	0.90	0.15	-0.81	
	Shooting Banglow Main Road								
	Man Hole	-3		(3.142*0.9*0.9)/4			0.15	-0.29	
	Ramp	-1	1.20	0.30	0.30	0.30	0.15	-0.05	
	Chamber	-1	0.45	0.45	0.45	0.45	0.15	-0.03	
	2nd cross, VijayaLakhshmi Layout								
	Electric Pole	-6	0.20	0.20	0.20	0.20	0.15	-0.04	
	Man Hole	-2		(3.142*0.9*0.9)/4			0.15	-0.19	
	Trees Area	-3		(3.142*0.4*0.4)/4			0.15	-0.06	
	Stage	-1	1.20	0.75	0.75	0.75	0.15	-0.14	
							Present Qty	**298.54**	**Cum**

Assistant Engineer
Ward No.13

Asst. Executive Engineer
Shettyhalli Sub division

Scanned with CamScanner

Name of work: Improvements to Roads And Drains At PK's Mustering Center Surrounding Area In Ward No.13 Shettyhalli Sub Division

Pre measurements

Pre measurement recorded on:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
13	Removal of Unserviceable Soil with Disposal KSRRB M300-19. Removal of unserviceable soil including excavation, loading and disposal but excluding replacement by suitable soil which shall be paid separately as per clause 300.5 complete as per specifications. MORTH Specification No. 301						
			Qty Same As Per Item No.1			765.39	
					Present Qty	**765.39**	**Cum**

02/08/22

Assistant Engineer
Ward No.13

8/8

Asst. Executive Engineer,
Shettyhalli Sub division

Scanned with CamScanner

Name of work:Improvements to Roads And Drains At PK's Mustering Center Surrounding Area In Ward No.13 Shettyhalli Sub Division

	Pre Measurements						
	Pre measurement recorded on:						
Item No	Discription of Item	No	Length	Breadth	Avg Depth	Qty	Unit
14	Loading and Unloading of Stone Boulder / Stone aggregates /Sand/ Kanker / Moorum. KSRRB M100-1 : Placing tipper at loading point, loading with front end loader,dumping, turning for return trip, excluding time for haulage and return trip complete as per specifications. MORTH -100/ Chapter 1						
		Qty Same As Per Item No.11 & 12				158.63	
					Present Qty	158.63	Cum

Assistant Engineer
Ward No.13

Asst. Executive Engineer,
Shettyhalli Sub division

Scanned with CamScanner

Name of work: Improvements to Roads And Drains At PK's Mustering Center Surrounding Area In Ward No.13 Shettyhalli Sub Division

Pre Measurements

Pre measurement recorded on:

Item No	Discription of Item	No	Length	Breadth	Depth	Qty	Unit
15	Cost of Haulage Excluding Loading and Unloading MORTH -100/ Chapter 1 Case-I : Surface Road						
		Qty Same As Per Item No.16 &17				924.02	
					Present Qty	**924.02**	**t.km**

Assistant Engineer
Ward No.13

Asst. Executive Engineer,
Shettyhalli Sub division

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